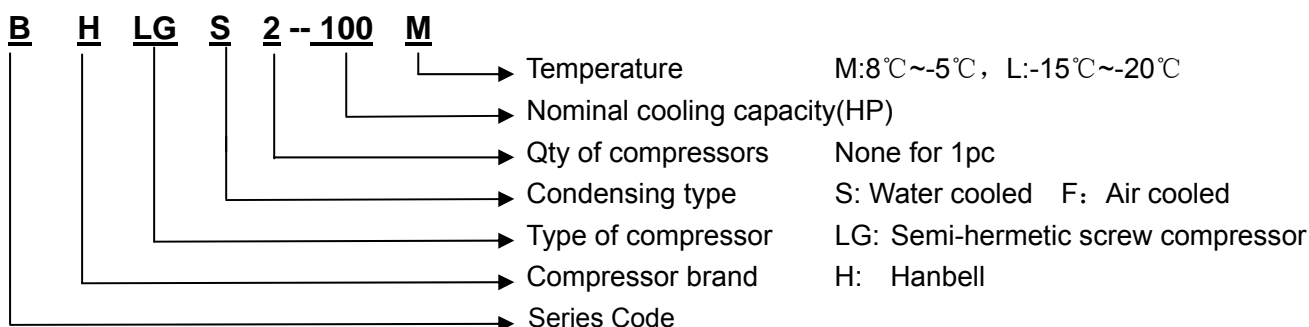


BHLG series screw compressor racks (Hanbell compressors)

1. Product Description

- ◆ Cooling temperature range: 8°C~-5°C or -15°C~-23°C
- ◆ Hanbell unsymmetrical rotor semi-hermetic screw compressor
- ◆ Multi-level energy adjuster
- ◆ Protection devices: Over heating, Low oil position, Oil pressure differential, High & low pressure and etc

2. Nomenclature:



3. Standard configuration:

HLGS××M Series

- Screw compressor ● Water cooled Condenser ● Filter drier shell ● Sight glass ● Spray valve
- Oil pressure differential protector ● Pressure protector ● Pressure gauge ● Low pressure control
- Electrical control box(PLC+touch screen)

HLGS××L Series:

- Screw compressor ● Oil separator ● Return oil valve ● Return oil sight glass ● Air-cooled Oil cooler
- Water cooled Condenser ● Filter shell ● Sight glass ● Spray valve ● Economizer system
- Oil pressure differential protector ● Pressure gauge ● Hi-pressure control ● Low-pressure control
- Electrical control box (PLC+Touch screen)

HLGF××M Series:

- Screw compressor ● Oil separator ● Oil Return valve ● Oil Return sight glass ● Receiver ● Filter shell ● Sight glass
- Spray valve ● Oil pressure differential protector ● Pressure protector ● Pressure gauge ● Low-pressure control
- Electrical control box(PLC+Touch screen)

HLGF××L Series:

- Screw compressor ● Oil separator ● Oil Return valve ● Oil Return sight glass ● Air-cooled Oil cooler ● Receiver
- Filter shell ● Sight glass ● Spray valve ● Economizer system ● Oil pressure differential protector ● Pressure gauge
- Hi-pressure control ● Low-pressure control ● Electrical control box (PLC+Touch screen)

BHLGS××M Series:

- Screw compressor ● Oil separator ● Oil return system ● Water-cooled Condenser ● Filter shell ● Sight glass
- Spray valve ● Compressor pressure protector ● Low-pressure protector ● Pressure gauge ● Low-pressure sensor
- Electrical control box(PLC+Touch screen)

BHLGS××L Series:

- Screw compressor ● Oil separator ● Oil return system ● Air-cooled Oil cooler ● Water-cooled Condenser ● Filter shell
- Sight glass ● Spray valve ● Economizer system ● Compressor pressure protector ● Low-pressure protector
- Pressure gauge ● Hi-pressure control ● Low-pressure sensor ● Electrical control box (PLC+Touch screen)

BHLGF××M Series:

- Screw compressor ● Oil separator ● Oil return system ● Receiver ● Filter shell ● Sight glass ● Spray valve
- Compressor pressure protector ● Low-pressure protector ● Pressure gauge ● Low-pressure sensor
- Electrical control box(PLC+Touch screen)

BHLGF××L Series:

- Screw compressor ● Oil separator ● Oil return system ● Air-cooled Oil cooler ● Receiver ● Filter shell ● Sight glass
- Spray valve ● Economizer system ● Compressor pressure protector ● Low-pressure protector ● Pressure gauge
- Hi-pressure control ● Low-pressure sensor ● Electrical control box (PLC+Touch screen)

4. Specification

4.1 Water-cooled compressor(single) units for middle & high temperature

Model		HLGS-30M	HLGS-40M	HLGS-50M	HLGS-60M	HLGS-70M	HLGS-80M	HLGS-90M	
Temperature(°C)		-5°C~8°C							
Refrigerant		R22							
Power Supply		380V/50Hz							
Compressor	Type	Semi-hermetic screw compressor							
	Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	RC2-260B	RC2-310B	RC2-340B	
	Capacity output	66%-100%			50%-75%-100%				
Condenser	Type	Shell & tube							
	Water flow(m ³ /h)	18	24	31	42	46	56	62	
	Pipe	2-1/2 "	2-1/2 "	2-1/2 "	3 "	4 "	4 "	4 "	
Capacity & Input	Eavp 0°C	Capacity(KW)	82.0	111.7	146.7	194.7	213.7	266.0	291.0
		Input (W)	22.9	30.2	37.8	50.5	55.1	65.1	71.8
	Eavp -5°C	Capacity(KW)	67.6	92.3	121.2	160.8	176.6	220.1	240.8
		Input (W)	21.9	28.9	36.2	48.4	52.7	62.4	69.0
	Eavp -10°C	Capacity(KW)	55.3	75.5	99.3	131.7	144.6	180.3	197.8
		Input (W)	21.0	27.7	34.7	46.3	50.4	59.7	66.8
Pipe	Suction (mm)	φ54	φ54	φ66	φ79	φ79	φ79	φ108	
	Discharge (mm)	φ28	φ28	φ35	φ35	φ35	φ35	φ42	
Overall	A (mm)	1700	1700	2150	2290	2290	2600	2600	
	B (mm)	670	670	680	770	770	810	810	
	C (mm)	1040	1040	980	1230	1230	1270	1270	
Mounting Size a×b (mm)		1000×390	1000×390	1200×390	1200×450	1200×450	1500×500	1500×500	

Model		HLGS-100M	HLGS-110M	HLGS-125M	HLGS-130M	HLGS-140M	HLGS-150M	
Temperature (°C)		-5°C~8°C						
Refrigerant		R22						
Power Supply		380V/50Hz						
Compressor	Type	Semi-hermetic screw compressor						
	Model	RC2-370B	RC2-410B	RC2-470B	RC2-510B	RC2-550B	RC2-580B	
	Capacity output	50%-75%-100%						
Condenser	Type	Shell & tube						
	Water flow(m ³ /h)	67	73	88	92	100	110	
	Pipe	5 "	5 "	5 "	5 "	6 "	6 "	
Capacity & Input	Eavp 0°C	Capacity(KW)	315.1	346.9	412.8	435.8	477.2	516.8
		Input (W)	78.2	87.0	101.0	106.7	115.6	124.4
	Eavp -5°C	Capacity(KW)	260.5	286.8	341.4	360.5	394.7	427.5
		Input (W)	74.9	83.3	96.8	102.2	110.7	119.2
	Eavp -10°C	Capacity(KW)	213.5	234.9	279.7	295.4	323.5	350.4
		Input (W)	71.8	79.8	92.7	97.8	106	114.1
Pipe	Suction (mm)	φ108	φ108	φ108	φ108	φ108	φ108	
	Discharge (mm)	φ42	φ42	φ42	φ42	φ42	φ42	
Overall	A (mm)	2600	2850	2850	3150	3150	3190	
	B (mm)	810	850	870	850	850	870	
	C (mm)	1270	1270	1270	1320	1320	1410	
Mounting Sizea×b(mm)		1500×500	1500×600	1500×600	1800×600	1800×600	1800×680	

Remarks: Cooling capacity and input tested at the condensing temperature 40°C.

4.2 Water-cooled single compressor unit for middle & low temperature

Model		HLGS-30L	HLGS-40L	HLGS-50L	HLGS-60L	HLGS-70L	HLGS-80L	HLGS-90L	
Temperature(°C)		-15°C~-20°C							
Refrigerant		R22							
Power Supply		380V/50Hz							
Compressor	Type	Semi-hermetic screw compressor							
	Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	RC2-260B	RC2-310B	RC2-340B	
	Capacity output	66%-100%			50%-75%-100%				
Condenser	Type	Shell & tube							
	Water flow(m ³ /h)	11	15	18	25	27	34	37	
	Pipe	2-1/2 "	2-1/2 "	2-1/2 "	3 "	4 "	4 "	4 "	
Capacity & Input	Eavp -20°C	Capacity(KW)	41.8	57.0	74.9	99.4	109.1	136.0	148.8
		Input (W)	21.5	28.3	35.5	47.3	51.6	61.1	67.2
	Eavp -25°C	Capacity(KW)	33.3	45.7	60.0	79.6	87.4	109.0	119.3
		Input (W)	20.8	27.4	34.4	45.9	50.0	59.3	65.2
	Eavp -30°C	Capacity(KW)	26.4	36.1	47.5	63.0	69.2	86.4	94.5
		Input (W)	20.1	26.4	33.2	44.3	48.2	57.1	62.9
Pipe	Suction (mm)	φ54	φ54	φ66	φ79	φ79	φ79	φ108	
	Discharge (mm)	φ28	φ28	φ35	φ35	φ35	φ35	φ42	
Overall	A (mm)	1700	1700	2150	2290	2290	2600	2600	
	B (mm)	710	710	750	900	900	950	950	
	C (mm)	1040	1040	1100	1300	1300	1320	1370	
Mounting Size a×b (mm)		1000×390	1000×390	1200×390	1200×450	1200×450	1500×500	1500×500	

Model		HLGS-100L	HLGS-110L	HLGS-125L	HLGS-130L	HLGS-140L	HLGS-150L	
Temperature (°C)		-15°C~-20°C						
Refrigerant		R22						
Power Supply		380V/50Hz						
Compressor	Type	Semi-hermetic screw compressor						
	Model	RC2-370B	RC2-410B	RC2-470B	RC2-510B	RC2-550B	RC2-580B	
	Capacity output	50%-75%-100%						
Condenser	Type	Shell & tube						
	Water flow(m ³ /h)	40	44	52	55	60	65	
	Pipe	5 "	5 "	5 "	5 "	6 "	6 "	
Capacity & Input	Eavp -20°C	Capacity(KW)	161.1	177.3	211.3	222.9	244.1	264.4
		Input (W)	73.4	81.6	94.7	100.0	108.4	116.7
	Eavp -25°C	Capacity(KW)	129.1	142.1	169.2	178.6	195.7	211.9
		Input (W)	71.2	79.1	91.9	97.0	105.1	113.2
	Eavp -30°C	Capacity(KW)	102.2	112.5	134.0	141.5	155.0	167.9
		Input (W)	68.6	76.3	88.6	93.5	101.4	109.1
Pipe	Suction (mm)	φ108	φ108	φ108	φ108	φ108	φ108	
	Discharge (mm)	φ42	φ42	φ42	φ42	φ42	φ42	
Overall	A (mm)	2600	2850	2850	3120	3120	3120	
	B (mm)	960	1000	1000	1000	1000	1000	
	C (mm)	1500	1550	1550	1640	1640	1640	
Mounting Size a×b(mm)		1500×500	1500×600	1500×600	1800×600	1800×600	1800×600	

Remarks: Cooling capacity and input tested at the condensing temperature 40°C, with the Economizer.

4.3 Air-cooled single compressor unit for middle & high temperature

Model		HLGF-30M	HLGF-40 M	HLGF-50 M	HLGF-60 M	HLGF-70 M	HLGF-80 M	HLGF-90M	
Temperature(°C)		-5°C~8°C							
Refrigerant		R22							
Power Supply		380V/50Hz							
Compressor	Type	Semi-hermetic screw compressor							
	Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	RC2-260B	RC2-310B	RC2-340B	
	Capacity output	66%-100%			50%-75%-100%				
Capacity & Input	Eavp 0°C	Capacity(KW)	76.3	104.2	136.8	181.5	199.3	248.4	271.7
		Input (W)	25.0	32.9	41.2	55.1	60.0	71.0	78.2
	Eavp -5°C	Capacity(KW)	62.7	85.7	112.5	149.4	164.0	204.4	223.6
		Input (W)	23.9	31.5	39.5	52.7	57.5	68.0	74.9
	Eavp -10°C	Capacity(KW)	51.1	69.8	91.8	121.8	133.7	166.8	182.5
		Input (W)	22.9	30.2	37.8	50.5	55.0	65.2	71.8
Pipe	Suction (mm)	φ54	φ54	φ66	φ79	φ79	φ79	φ108	
	Liquid in (mm)	φ28	φ28	φ35	φ35	φ35	φ35	φ42	
	Discharge (mm)	φ42	φ42	φ42	φ54	φ54	φ54	φ66	
	Liquid out (mm)	φ35	φ35	φ35	φ35	φ35	φ35	φ54	
Overall	A(mm)	1730	1730	2180	2180	2180	2520	2520	
	B(mm)	670	670	680	730	730	800	810	
	C(mm)	1260	1260	1260	1300	1300	1470	1560	
Mounting Size a×b(mm)		1000×390	1000×390	1200×390	1200×390	1200×390	1500×500	1500×500	

Model		HLGF-100M	HLGF-110M	HLGF-125M	HLGF-130M	HLGF-140M	HLGF-150M	
Temperature(°C)		-5°C~8°C						
Refrigerant		R22						
Power Supply		380V/50Hz						
Compressor	Type	Semi-hermetic screw compressor						
	Model	RC2-370B	RC2-410B	RC2-470B	RC2-510B	RC2-550B	RC2-580B	
	Capacity output	50%-75%-100%						
Capacity & Input	Eavp 0°C	Capacity(KW)	294.1	323.7	385.3	406.9	445.6	482.6
		Input (W)	85.3	94.9	110.2	116.3	126.0	135.6
	Eavp -5°C	Capacity(KW)	242.0	266.4	317.2	334.9	366.8	397.3
		Input (W)	81.7	90.9	105.5	111.4	120.7	129.9
	Eavp -10°C	Capacity(KW)	197.5	217.3	258.8	273.3	299.4	324.2
		Input (W)	78.3	87.0	101.1	106.7	115.6	124.4
Pipe	Suction (mm)	φ108	φ108	φ108	φ108	φ108	φ108	
	Liquid in (mm)	φ42	φ42	φ42	φ42	φ42	φ42	
	Discharge (mm)	φ66	φ66	φ66	φ79	φ79	φ79	
	Liquid out (mm)	φ54	φ54	φ54	φ54	φ54	φ54	
Overall	A (mm)	2520	2740	2740	3040	3040	3040	
	B(mm)	810	850	870	850	850	850	
	C(mm)	1710	1610	1610	1900	1900	1900	
Mounting Size a×b(mm)			1500×600	1500×600	1800×600	1800×600	1800×600	

Remarks: Cooling capacity and input tested at the condensing temperature 45°C

4.4 Air-cooled single compressor unit for middle & low temperature

Model		HLGF-30L	HLGF-40L	HLGF-50L	HLGF-60L	HLGF-70L	HLGF-80L	HLGF-90L	
Temperature(°C)		-15°C~-20°C							
Refrigerant		R22							
Power Supply		380V/50Hz							
Compressor	Type	Semi-hermetic screw compressor							
	Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	RC2-260B	RC2-310B	RC2-340B	
	Capacity output	66%-100%			50%-75%-100%				
Capacity & Input	Eavp -20°C	Capacity(KW)	40.1	54.7	71.9	95.4	104.7	130.6	142.9
		Input (W)	23.8	31.4	39.4	52.5	57.2	67.8	74.6
	Eavp -25°C	Capacity(KW)	32.0	43.7	57.5	76.2	83.7	104.5	114.3
		Input (W)	23.1	30.4	38.1	50.9	55.4	65.6	72.2
	Eavp -30°C	Capacity(KW)	25.3	34.5	45.3	60.1	66.0	82.5	90.2
		Input (W)	21.5	28.7	36.8	49.1	53.5	63.3	69.7
Pipe	Suction (mm)	φ54	φ54	φ66	φ79	φ79	φ79	φ108	
	Liquid in (mm)	φ28	φ28	φ35	φ35	φ35	φ35	φ42	
	Discharge (mm)	φ42	φ42	φ42	φ54	φ54	φ54	φ66	
	Liquid out (mm)	φ35	φ35	φ35	φ35	φ35	φ35	φ54	
Overall	A (mm)	1730	1730	2180	2180	2180	2520	2520	
	B(mm)	700	700	750	850	850	900	900	
	C(mm)	1260	1260	1260	1300	1300	1470	1560	
Mounting Size a×b(mm)		1000×390	1000×390	1200×390	1200×390	1200×390	1500×500	1500×500	

Model		HLGF-100L	HLGF-110L	HLGF-125L	HLGF-130L	HLGF-140L	HLGF-150L	
Temperature(°C)		-15°C~-20°C						
Refrigerant		R22						
Power Supply		380V/50Hz						
Compressor	Type	Semi-hermetic screw compressor						
	Model	RC2-370B	RC2-410B	RC2-470B	RC2-510B	RC2-550B	RC2-580B	
	Capacity output	50%-75%-100%						
Capacity & Input	Eavp -20°C	Capacity(KW)	154.6	170.2	202.7	214.0	234.4	253.9
		Input (W)	81.4	90.5	105.1	111.0	120.3	129.5
	Eavp -25°C	Capacity(KW)	123.6	136.1	162.1	171.1	187.5	203.1
		Input (W)	78.8	87.7	101.8	107.5	116.4	125.3
	Eavp -30°C	Capacity(KW)	97.6	107.4	128.0	135.2	148.1	160.4
		Input (W)	76.0	84.5	98.2	103.7	112.3	120.9
Pipe	Suction (mm)		φ108	φ108	φ108	φ108	φ108	φ108
	Liquid in (mm)		φ42	φ42	φ42	φ42	φ42	φ42
	Discharge (mm)		φ66	φ66	φ66	φ79	φ79	φ79
	Liquid out (mm)		φ54	φ54	φ54	φ54	φ54	φ54
Overall	A (mm)		2520	2740	2740	3040	3040	3040
	B(mm)		900	950	950	950	950	950
	C(mm)		1710	1800	1800	1900	1900	1900
Mounting Size a×b(mm)		1500×500	1500×600	1500×600	1800×600	1800×600	1800×600	

Remarks: Cooling capacity and input tested at the condensing temperature 45°C, with the Economizer.

4.5 Water-cooled multi compressors unit for middle & high temperature

Model		BHLGS2-60M	BHLGS2-80M	BHLGS2-100M	BHLGS2-120M	BHLGS2-140M	
Temperature(°C)		-5°C~8°C					
Refrigerant		R22					
Power Supply		380V/50Hz					
Compressor	Type	Semi-hermetic screw compressor					
	Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	RC2-260B	
	Quantity	2	2	2	2	2	
Cooling capacity output		33%-50%-66%-100%			25%-50%-75%-100%		
Condenser	Type	Shell & tube					
	Water flow (m ³ /h)		36	48	63	70	93
	Pipe		2-1/2 "	4 "	4 "	5 "	6 "
Capacity & Input	Eavp 0°C	Capacity(KW)	163.8	223.4	293.4	389.4	427.4
		Input (W)	45.8	60.4	75.6	101.0	110.0
	Eavp -5°C	Capacity(KW)	135.2	184.6	242.4	321.6	353.2
		Input (W)	43.8	59.4	72.4	96.8	105.4
	Eavp -10°C	Capacity(KW)	110.6	151.0	198.6	263.4	289.2
		Input (W)	42.0	55.4	69.4	92.6	100.8
Pipe	Suction Pipe (mm)		φ66	φ79	φ108	φ108	φ108
	Liquid Pipe (mm)		φ35	φ35	φ42	φ42	φ42
Overall A×B×C(mm)		2300×1470×1460	2300×1490×1460	2650×1610×1470	3090×1840×1860	3200×1840×1860	

Model		BHLGS2-160M	BHLGS2-180M	BHLGS2-200M	BHLGS2-220M	BHLGS2-250M	
Temperature(°C)		-5°C~8°C					
Refrigerant		R22					
Power Supply		380V/50Hz					
Compressor	Type	Semi-hermetic screw compressor					
	Model	RC2-310B	RC2-340B	RC2-370B	RC2-410B	RC2-470B	
	Quantity	2	2	2	2	2	
Cooling capacity output		25%-50%-75%-100%					
Condenser	Type	Shell & tube					
	Water flow (m ³ /h)	113	125	136	150	177	
	Pipe	6 "	6 "	6 "	6 "	6 "	
Capacity & Input	Eavp 0°C	Capacity(KW)	532.0	582.2	630.2	693.8	825.6
		Input (W)	130.2	143.4	156.4	174.0	202.0
	Eavp -5°C	Capacity(KW)	440.0	481.4	521.0	573.6	682.8
		Input (W)	124.8	137.4	149.8	166.6	193.6
	Eavp -10°C	Capacity(KW)	360.6	394.4	427.0	469.8	559.4
		Input (W)	119.4	131.6	143.6	159.6	185.4
Pipe	Suction Pipe (mm)	φ108	φ108	φ133	φ133	φ133	
	Liquid Pipe (mm)	φ54	φ54	φ66	φ66	φ66	
Overall A×B×C(mm)		3370×2010×186 0	3370×2010×186 0	3470×2100×21 00	3700×2140×213 0	3700×2140×21 30	

Model		BHLGS3-90M	BHLGS3-120M	BHLGS3-150M	
Temperature(°C)		-5°C~8°C			
Refrigerant		R22			
Power Supply		380V/50Hz			
Compressor	Type	Semi-hermetic screw compressor			
	Model	RC2-100B	RC2-140B	RC2-180B	
	Quantity	3	3	3	
Cooling capacity output		33%-66%-100%			
Condenser	Type	Shell & tube			
	Water flow (m ³ /h)	55	75	95	
	Pipe	4 "	5 "	6 "	
Capacity & Input	Eavp 0°C	Capacity(KW)	245.7	335.1	440.1
		Input (W)	68.7	90.6	113.4
	Eavp -5°C	Capacity(KW)	202.8	276.9	363.6
		Input (W)	65.7	86.7	108.6
	Eavp -10°C	Capacity(KW)	165.9	226.5	297.9
		Input (W)	63.0	83.1	104.1
Pipe	Suction Pipe (mm)	2×φ79	2×φ79	2×φ79	
	Liquid Pipe (mm)	φ42	φ42	φ54	
Overall A×B×C(mm)		2800×1570×1460	3000×1630×1780	3200×1690×1790	

Model		BHLGS3-180M	BHLGS3-210M	BHLGS3-240M	
Temperature(°C)		-5°C~8°C			
Refrigerant		R22			
Power Supply		380V/50Hz			
Compressor	Type	Semi-hermetic screw compressor			
	Model	RC2-230B	RC2-260B	RC2-310B	
	Quantity	3	3	3	
Cooling capacity output		16%-33%-50%-66%-83%-100%			
Condenser	Type	Shell & tube			
	Water flow (m ³ /h)	130	140	170	
	Pipe	6 "	6 "	6 "	
Capacity & Input	Eavp 0°C	Capacity(KW)	584.1	641.1	798.0
		Input (W)	151.5	165.0	195.3
	Eavp -5°C	Capacity(KW)	482.4	529.8	660.0
		Input (W)	145.2	158.1	187.2
	Eavp -10°C	Capacity(KW)	395.1	433.8	540.9
		Input (W)	138.9	151.2	179.1
Pipe	Suction Pipe (mm)	2×φ108	2×φ108	2×φ108	
	Liquid Pipe (mm)	φ66	φ66	φ66	
Overall A×B×C(mm)		3700×1910×1860	3930×2040×2100	3930×2040×2100	

Remarks: Cooling capacity and input tested at the condensing temperature 40°C. .

4.6 Water-cooled multi compressors unit for middle & low temperature

Model		BHLGS2-60L	BHLGS2-80L	BHLGS2-100L	BHLGS2-120L	BHLGS2-140L	
Temperature(°C)		-15°C~20°C					
Refrigerant		R22					
Power Supply		380V/50Hz					
Compressor	Type	Semi-hermetic screw compressor					
	Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	RC2-260B	
	Quantity	2	2	2	2	2	
Cooling capacity output		33%-50%-66%-100%			25%-50%-75%-100%		
Condenser	Type	Shell & tube					
	Water flow (m ³ /h)	22	30	38	50	55	
	Pipe	2-1/2 "	4 "	4 "	5 "	6 "	
Capacity & Input	Eavp -20°C	Capacity(KW)	83.6	114.0	149.8	198.8	218.2
		Input (W)	43.0	56.6	71.0	94.6	103.2
	Eavp -25°C	Capacity(KW)	66.8	91.4	120.0	159.2	174.8
		Input (W)	41.6	54.8	68.8	91.8	100.0
	Eavp -30°C	Capacity(KW)	52.8	72.7	95.0	126.0	138.4
		Input (W)	40.2	52.8	66.4	88.6	96.4
Pipe	Suction Pipe (mm)	φ66	φ79	φ108	φ108	φ108	
	Liquid Pipe (mm)	φ35	φ35	φ42	φ42	φ42	
Overall A×B×C(mm)		2300×1470×1460	2300×1470×1460	2650×1610×1470	3090×1840×1860	3290×1840×1860	

Model		BHLGS2-160L	BHLGS2-180L	BHLGS2-200L	BHLGS2-220L	BHLGS2-250L	
Temperature(°C)		-15°C~-20°C					
Refrigerant		R22					
Power Supply		380V/50Hz					
Compressor	Type	Semi-hermetic screw compressor					
	Model	RC2-310B	RC2-340B	RC2-370B	RC2-410B	RC2-470B	
	Quantity	2	2	2	2	2	
Cooling capacity output		25%-50%-75%-100%					
Condenser	Type	Shell & tube					
	Water flow (m ³ /h)	68	75	80	90	105	
	Pipe	6 "	6 "	6 "	6 "	6 "	
Capacity & Input	Eavp -20°C	Capacity(KW)	272.0	297.6	322.2	354.6	422.6
		Input (W)	122.2	134.4	146.8	163.2	189.4
	Eavp -25°C	Capacity(KW)	218.0	238.6	258.2	284.2	338.4
		Input (W)	118.6	130.4	142.4	158.2	183.8
	Eavp -30°C	Capacity(KW)	172.8	189.0	204.4	225.0	268.0
		Input (W)	114.2	125.8	137.2	152.6	177.2
Pipe	Suction Pipe (mm)	φ108	φ108	φ133	φ133	φ133	
	Liquid Pipe (mm)	φ54	φ54	φ54	φ54	φ54	
Overall A×B×C(mm)		3370×2010×1860	3370×2010×1860	3470×2100×2100	3700×2140×2130	3700×2140×2130	

Model		BHLGS3-90L	BHLGS3-120L	BHLGS3-150L	BHLGS3-180L	BHLGS3-210L	
Temperature(°C)		-15°C~-20°C					
Refrigerant		R22					
Power Supply		380V/50Hz					
Compressor	Type	Semi-hermetic screw compressor					
	Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	RC2-260B	
	Quantity	3	3	3	3	3	
Cooling capacity output		33%-66%-100%			16%-33%-50%-66%-83%-100%		
Condenser	Type	Shell & tube					
	Water flow (m ³ /h)	33	45	57	76	83	
	Pipe	4 "	5 "	6 "	6 "	6 "	
Capacity & Input	Eavp -20°C	Capacity(KW)	125.4	171.0	224.7	298.2	327.3
		Input (W)	64.5	84.9	106.5	141.9	154.8
	Eavp -25°C	Capacity(KW)	100.2	137.1	180.0	238.8	262.2
		Input (W)	62.4	82.2	103.2	137.7	150.0
	Eavp -30°C	Capacity(KW)	79.2	108.3	142.5	189.0	207.6
		Input (W)	60.3	79.2	99.6	132.9	144.6
Pipe	Suction Pipe (mm)	2×φ79	2×φ79	2×φ79	2×φ108	2×φ108	
	Liquid Pipe (mm)	φ42	φ42	φ54	φ66	φ66	
Overall A×B×C(mm)		2800×1570×1460	3000×1630×1780	3200×1690×1790	3700×1910×1860	3930×2040×2100	

Model		BHLGS3-240L	BHLGS3-270L	BHLGS3-300L	
Temperature(°C)		-15°C~-20°C			
Refrigerant		R22			
Power Supply		380V/50Hz			
Compressor	Type	Semi-hermetic screw compressor			
	Model	RC2-310B	RC2-340B	RC2-370B	
	Quantity	3	3	3	
Cooling capacity output		16%-33%-50%-66%-83%-100%			
Condenser	Type	Shell & tube			
	Water flow (m ³ /h)	102	112	121	
	Pipe	6 "	6 "	6 "	
Capacity & Input	Eavp -20°C	Capacity(KW)	408.0	446.4	483.3
		Input (W)	184.8	201.6	220.2
	Eavp -25°C	Capacity(KW)	327.0	357.9	387.3
		Input (W)	177.9	195.6	213.6
	Eavp -30°C	Capacity(KW)	259.2	283.5	306.6
		Input (W)	171.3	188.7	205.8
Pipe	Suction Pipe (mm)	2×φ108	2×φ108	2×φ108	
	Liquid Pipe (mm)	φ66	φ66	φ66	
Overall A×B×C(mm)		3930×2040×2100	3930×2140×2100	3930×2140×2100	

Remarks: Cooling capacity and input tested at the condensing temperature 40°C, with Economizer.

4.7 Air-cooled multi compressors unit for middle & high temperature

Model		BHLGF2-60M	BHLGF2-80M	BHLGF2-100M	BHLGF2-120M	BHLGF2-140M	
Temperature(°C)		-5°C~8°C					
Refrigerant		R22					
Power Supply		380V/50Hz					
Compressor	Type	Semi-hermetic screw compressor					
	Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	RC2-260B	
	Quantity	2	2	2	2	2	
Cooling capacity output		33%-50%-66%-100%			25%-50%-75%-100%		
Capacity & Input	Eavp 0°C	Capacity(KW)	152.6	208.4	273.6	363.0	398.6
		Input (W)	50.0	65.8	82.4	100.2	120.0
	Eavp -5°C	Capacity(KW)	125.4	171.4	225.0	298.8	328.0
		Input (W)	47.8	63.0	79.0	105.4	115.0
	Eavp -10°C	Capacity(KW)	102.2	139.6	183.6	243.6	267.4
		Input (W)	45.8	60.4	75.6	101.0	110.0
Pipe	Suction Pipe (mm)	φ66	φ79	φ108	φ108	φ108	
	Liquid out Pipe (mm)	φ35	φ35	φ42	φ42	φ42	
	Discharge Pipe (mm)	φ54	φ54	φ66	φ66	φ79	
	Liquid in Pipe (mm)	φ35	φ35	φ42	φ42	φ42	
Overall A×B×C(mm)		2300×1470×1460	2300×1490×1460	2650×1610×1470	3090×1840×1860	3290×1840×1860	

Model		BHLGF2-160M	BHLGF2-180M	BHLGF2-200M	BHLGF2-220M	BHLGF2-250M	
Temperature(°C)		-5°C~8°C					
Refrigerant		R22					
Power Supply		380V/50Hz					
Compressor	Type	Semi-hermetic screw compressor					
	Model	RC2-310B	RC2-340B	RC2-370B	RC2-410B	RC2-470B	
	Quantity	2	2	2	2	2	
Cooling capacity output		25%-50%-75%-100%					
Capacity & Input	Eavp 0°C	Capacity(KW)	496.8	543.4	588.2	647.4	770.6
		Input (W)	142.0	156.4	170.6	189.8	220.4
	Eavp -5°C	Capacity(KW)	408.8	447.2	484.0	532.8	634.4
		Input (W)	136.0	149.8	163.4	181.8	211.0
	Eavp -10°C	Capacity(KW)	333.6	365.0	395.0	434.6	517.6
		Input (W)	130.4	143.6	156.6	174.0	202.2
Pipe	Suction Pipe (mm)		φ108	φ108	φ133	φ133	φ133
	Liquid out Pipe (mm)		φ54	φ54	φ66	φ66	φ66
	Discharge Pipe (mm)		φ79	φ79	φ108	φ108	φ108
	Liquid in Pipe (mm)		φ54	φ54	φ66	φ66	φ66
Overall A×B×C(mm)		3370×2010×1860	3370×2010×1860	3470×2100×2100	3700×2140×2130	3700×2140×2130	

Model		BHLGF3-90M	BHLGF3-120M	BHLGF3-150M	BHLGF3-180M	BHLGF3-210M	
Temperature(°C)		-5°C~8°C					
Refrigerant		R22					
Power Supply		380V/50Hz					
Compressor	Type	Semi-hermetic screw compressor					
	Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	RC2-260B	
	Quantity	3	3	3	3		
Cooling capacity output		33%-66%-100%			16%-33%-50%-66%-83%-100%		
Capacity & Input	Eavp 0°C	Capacity(KW)	228.9	312.6	410.4	544.5	597.9
		Input (W)	75.0	98.7	123.6	165.3	180.0
	Eavp -5°C	Capacity(KW)	188.1	257.1	337.5	448.2	492.0
		Input (W)	71.7	94.5	118.5	158.1	172.5
	Eavp -10°C	Capacity(KW)	153.3	209.4	275.4	365.4	401.1
		Input (W)	68.7	90.6	113.4	151.5	165.0
Pipe	Suction Pipe (mm)		2×φ79	2×φ79	2×φ79	2×φ108	2×φ108
	Liquid out Pipe (mm)		φ42	φ42	φ54	φ66	φ66
	Discharge Pipe (mm)		φ54	φ66	φ79	φ79	φ108
	Liquid in Pipe (mm)		φ42	φ42	φ54	φ66	φ66
Overall A×B×C(mm)		2800×1570×1460	3000×1630×1780	3200×1690×1790	3700×1910×1860	3930×2040×2100	

Model		BHLGF3-240M		BHLGF3-270M		BHLGF3-300M		
Temperature(°C)		-5°C~8°C						
Refrigerant		R22						
Power Supply		380V/50Hz						
Compressor	Type	Semi-hermetic screw compressor						
	Model	RC2-310B		RC2-340B		RC2-370B		
	Quantity	3		3		3		
Cooling capacity output		16%-33%-50%-66%-83%-100%						
Capacity & Input	Eavp 0°C	Capacity(KW)	745.2		815.1		882.3	
		Input (W)	213.0		234.6		255.9	
	Eavp -5°C	Capacity(KW)	613.2		670.8		726.0	
		Input (W)	204.0		224.7		245.1	
	Eavp -10°C	Capacity(KW)	500.4		547.5		592.5	
		Input (W)	195.6		215.4		234.9	
Pipe	Suction Pipe (mm)	2×φ108		2×φ108		2×φ108		
	Liquid out Pipe (mm)	φ66		φ66		φ66		
	Discharge Pipe (mm)	φ108		φ133		φ133		
	Liquid in Pipe (mm)	φ66		φ66		φ66		
Overall A×B×C(mm)		3930×2040×2100		3930×2140×2100		3930×2140×2100		

Remarks: Cooling capacity and input tested at the condensing temperature 45°C.

4.8 Air-cooled multi compressors unit for middle & low temperature

Model		BHLGF2-60L		BHLGF2-80L		BHLGF2-100L		BHLGF2-120L		BHLGF2-140L			
Temperature(°C)		-15°C~-20°C											
Refrigerant		R22											
Power Supply		380V/50Hz											
Compressor	Type	Semi-hermetic screw compressor											
	Model	RC2-100B		RC2-140B		RC2-180B		RC2-230B		RC2-260B			
	Quantity	2		2		2		2		2			
Cooling capacity output		33%-50%-66%-100%						25%-50%-75%-100%					
Capacity & Input	Eavp -20°C	Capacity(KW)	80.2		109.4		143.8		190.8		209.4		
		Input (W)	47.6		62.8		78.8		105.0		114.4		
	Eavp -25°C	Capacity(KW)	64.0		87.4		115.0		152.4		167.4		
		Input (W)	46.2		60.8		76.2		101.8		110.8		
	Eavp -30°C	Capacity(KW)	50.6		69.0		90.6		120.2		132.0		
		Input (W)	43.0		57.4		73.6		98.2		107.0		
Pipe	Suction Pipe (mm)	φ66		φ79		φ108		φ108		φ108			
	Liquid out Pipe (mm)	φ35		φ35		φ42		φ42		φ42			
	Discharge Pipe (mm)	φ54		φ54		φ66		φ66		φ79			
	Liquid in Pipe (mm)	φ35		φ35		φ42		φ42		φ42			
Overall A×B×C(mm)		2300×1470×1460		2300×1490×1460		2650×1610×1470		3090×1840×1860		3290×1840×1860			

Model		BHLGF2-160L	BHLGF2-180L	BHLGF2-200L	BHLGF2-220L	BHLGF2-250L	
Temperature(°C)		-15°C~-20°C					
Refrigerant		R22					
Power Supply		380V/50Hz					
Compressor	Type	Semi-hermetic screw compressor					
	Model	RC2-310B	RC2-340B	RC2-370B	RC2-410B	RC2-470B	
	Quantity	2	2	2	2	2	
Cooling capacity output		25%-50%-75%-100%					
Capacity & Input	Eavp -20°C	Capacity(KW)	261.2	285.8	309.2	340.4	405.4
		Input (W)	135.6	149.2	162.8	181.0	210.2
	Eavp -25°C	Capacity(KW)	209.0	228.6	247.2	272.2	324.2
		Input (W)	131.2	144.4	157.6	175.4	203.6
	Eavp -30°C	Capacity(KW)	165.0	180.4	195.2	214.8	256.0
		Input (W)	126.6	139.4	152.0	169.0	196.4
Pipe	Suction Pipe (mm)		φ108	φ108	φ133	φ133	φ133
	Liquid out Pipe (mm)		φ54	φ54	φ66	φ66	φ66
	Discharge Pipe (mm)		φ79	φ79	φ108	φ108	φ108
	Liquid in Pipe (mm)		φ54	φ54	φ66	φ66	φ66
Overall A×B×C(mm)		3370×2010×1860	3370×2010×1860	3470×2100×2100	3700×2140×2130	3700×2140×2130	

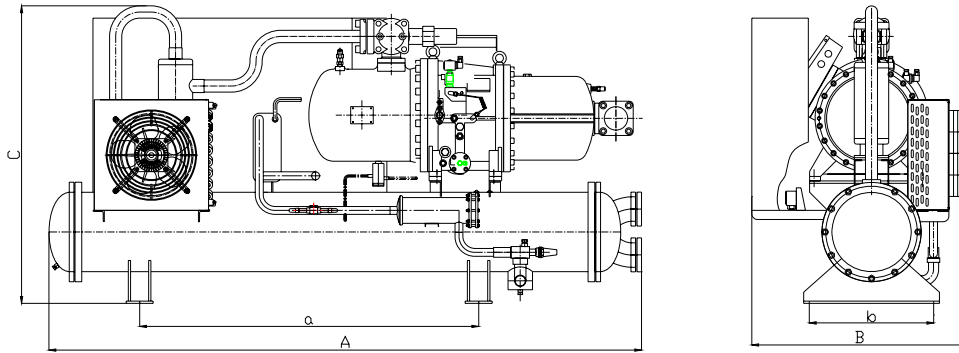
Model		BHLGF3-90L	BHLGF3-120L	BHLGF3-150L	BHLGF3-180L	BHLGF3-210L	
Temperature(°C)		-15°C~-20°C					
Refrigerant		R22					
Power Supply		380V/50Hz					
Compressor	Type	Semi-hermetic screw compressor					
	Model	RC2-100B	RC2-140B	RC2-180B	RC2-230B	RC2-260B	
	Quantity	3	3	3	3	3	
Cooling capacity output		33%-66%-100%			16%-33%-50%-66%-83%-100%		
Capacity & Input	Eavp -20°C	Capacity(KW)	120.3	164.1	215.7	286.2	314.1
		Input (W)	71.4	94.2	118.2	157.5	171.6
	Eavp -25°C	Capacity(KW)	96.0	131.1	172.5	228.6	251.1
		Input (W)	69.3	91.2	114.3	152.7	166.2
	Eavp -30°C	Capacity(KW)	75.9	103.5	135.9	180.3	198.0
		Input (W)	64.5	86.1	110.4	147.3	160.5
Pipe	Suction Pipe (mm)		2×φ79	2×φ79	2×φ79	2×φ108	2×φ108
	Liquid out Pipe (mm)		φ42	φ42	φ54	φ66	φ66
	Discharge Pipe (mm)		φ54	φ66	φ79	φ79	φ108
	Liquid in Pipe (mm)		φ42	φ42	φ54	φ66	φ66
Overall A×B×C(mm)		2800×1570×1460	3000×1630×1780	3200×1690×1790	3700×1910×1860	3930×2040×2100	

Model		BHLGF3-240L	BHLGF3-270L	BHLGF3-300L	
Temperature(°C)		-15°C~-20°C			
Refrigerant		R22			
Power Supply		380V/50Hz			
Compressor	Type	Semi-hermetic screw compressor			
	Model	RC2-310B	RC2-340B	RC2-370B	
	Quantity	3	3	3	
Cooling capacity output		16%-33%-50%-66%-83%-100%			
Capacity & Input	Eavp -20°C	Capacity(KW)	391.8	428.7	463.8
		Input (W)	203.4	223.8	244.2
	Eavp -25°C	Capacity(KW)	313.5	342.9	370.8
		Input (W)	196.8	216.6	236.4
	Eavp -30°C	Capacity(KW)	247.5	270.6	292.8
		Input (W)	189.9	209.1	228.0
Pipe	Suction Pipe (mm)	2×φ108	2×φ108	2×φ108	
	Liquid out Pipe (mm)	φ66	φ66	φ66	
	Discharge Pipe (mm)	φ108	φ133	φ133	
	Liquid in Pipe (mm)	φ66	φ66	φ66	
Overall A×B×C(mm)		3930×2040×2100	3930×2140×2100	3930×2140×2100	

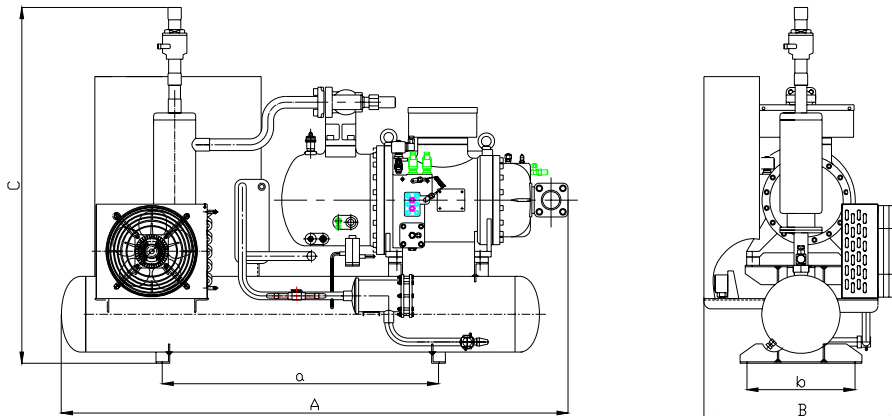
Remarks: Cooling capacity and input tested at the condensing temperature 45°C, with Economizer

5. Overall viewing

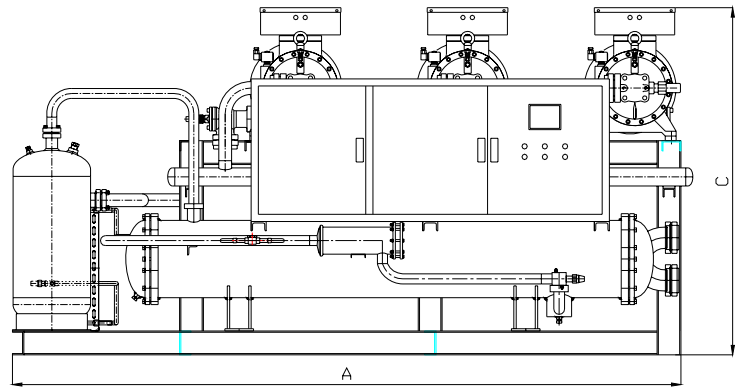
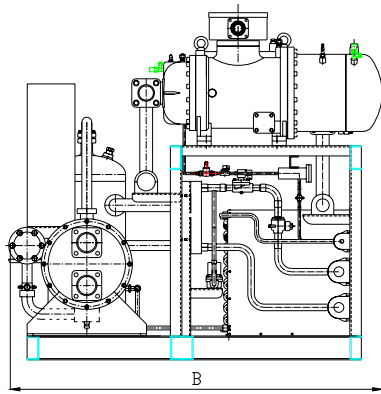
5.1 HLGS××Series:



5.2 HLGF××Series:



5.3 BHLGSxxSeries



5.4 BHLGFxxSeries:

